

# Markus Hollmann

## List of Publications by Year in descending order

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Version: 2024-02-01

361  
papers

14,909  
citations

20817

60  
h-index

26613

107  
g-index

370  
all docs

370  
docs citations

370  
times ranked

13534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimally invasive versus open oesophagectomy for patients with oesophageal cancer: a multicentre, open-label, randomised controlled trial. <i>Lancet, The</i> , 2012, 379, 1887-1892.	13.7	1,429
2	Local Anesthetics and the Inflammatory Response. <i>Anesthesiology</i> , 2000, 93, 858-875.	2.5	615
3	Class effects of SGLT2 inhibitors in mouse cardiomyocytes and hearts: inhibition of Na <sup>+</sup> /H <sup>+</sup> exchanger, lowering of cytosolic Na <sup>+</sup> and vasodilation. <i>Diabetologia</i> , 2018, 61, 722-726.	6.3	412
4	Failed epidural: causes and management. <i>British Journal of Anaesthesia</i> , 2012, 109, 144-154.	3.4	304
5	Protective <i>i</i> versus <i>l</i> Conventional Ventilation for Surgery. <i>Anesthesiology</i> , 2015, 123, 66-78.	2.5	291
6	Systemic Lidocaine Shortens Length of Hospital Stay After Colorectal Surgery. <i>Annals of Surgery</i> , 2007, 246, 192-200.	4.2	286
7	Effect of a Machine Learningâ€œDerived Early Warning System for Intraoperative Hypotension vs Standard Care on Depth and Duration of Intraoperative Hypotension During Elective Noncardiac Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 1052.	7.4	273
8	Mechanical Ventilation with Lower Tidal Volumes and Positive End-expiratory Pressure Prevents Pulmonary Inflammation in Patients without Preexisting Lung Injury. <i>Anesthesiology</i> , 2008, 108, 46-54.	2.5	270
9	Noninvasive Continuous Arterial Blood Pressure Monitoring with NexfinÂ®. <i>Anesthesiology</i> , 2012, 116, 1092-1103.	2.5	258
10	Post-anaesthesia pulmonary complications after use of muscle relaxants (POPULAR): a multicentre, prospective observational study. <i>Lancet Respiratory Medicine</i> , the, 2019, 7, 129-140.	10.7	241
11	Effect of Intraoperative High Positive End-Expiratory Pressure (PEEP) With Recruitment Maneuvers vs Low PEEP on Postoperative Pulmonary Complications in Obese Patients. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 2292.	7.4	216
12	Immediate total-body CT scanning versus conventional imaging and selective CT scanning in patients with severe trauma (REACT-2): a randomised controlled trial. <i>Lancet, The</i> , 2016, 388, 673-683.	13.7	206
13	Ventilation management and clinical outcomes in invasively ventilated patients with COVID-19 (PRoVENT-COVID): a national, multicentre, observational cohort study. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, 139-148.	10.7	206
14	Incidence of mortality and morbidity related to postoperative lung injury in patients who have undergone abdominal or thoracic surgery: a systematic review and meta-analysis. <i>Lancet Respiratory Medicine</i> , the, 2014, 2, 1007-1015.	10.7	203
15	Efficacy and safety of intravenous lidocaine for postoperative analgesia and recovery after surgery: a systematic review with trial sequential analysis. <i>British Journal of Anaesthesia</i> , 2016, 116, 770-783.	3.4	192
16	Apoptosis induction by different local anaesthetics in a neuroblastoma cell line. <i>British Journal of Anaesthesia</i> , 2009, 103, 711-718.	3.4	173
17	Continuous intravenous perioperative lidocaine infusion for postoperative pain and recovery. <i>The Cochrane Library</i> , 2015, , CD009642.	2.8	166
18	Continuous intravenous perioperative lidocaine infusion for postoperative pain and recovery in adults. <i>The Cochrane Library</i> , 2018, 2018, CD009642.	2.8	165

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19	Molecular mechanisms of action of systemic lidocaine in acute and chronic pain: a narrative review. <i>British Journal of Anaesthesia</i> , 2019, 123, 335-349.	3.4	157
20	Local Anesthetic-Induced Neurotoxicity. <i>International Journal of Molecular Sciences</i> , 2016, 17, 339.	4.1	148
21	Local Anesthetic Effects on Priming and Activation of Human Neutrophils. <i>Anesthesiology</i> , 2001, 95, 113-122.	2.5	142
22	Epidemiological characteristics, practice of ventilation, and clinical outcome in patients at risk of acute respiratory distress syndrome in intensive care units from 16 countries (PRoVENT): an international, multicentre, prospective study. <i>Lancet Respiratory Medicine</i> , 2016, 4, 882-893.	10.7	137
23	The effect of anesthetic management during intra-arterial therapy for acute stroke in MR CLEAN. <i>Neurology</i> , 2016, 87, 656-664.	1.1	130
24	Direct Cardiac Actions of Sodium Glucose Cotransporter 2 Inhibitors Target Pathogenic Mechanisms Underlying Heart Failure in Diabetic Patients. <i>Frontiers in Physiology</i> , 2018, 9, 1575.	2.8	130
25	Empagliflozin and Dapagliflozin Reduce ROS Generation and Restore NO Bioavailability in Tumor Necrosis Factor $\alpha$ -Stimulated Human Coronary Arterial Endothelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2019, 53, 865-886.	1.6	120
26	Perioperative Anesthesia Care and Tumor Progression. <i>Anesthesia and Analgesia</i> , 2017, 124, 1697-1708.	2.2	119
27	Decision Support Increases Guideline Adherence for Prescribing Postoperative Nausea and Vomiting Prophylaxis. <i>Anesthesia and Analgesia</i> , 2008, 106, 893-898.	2.2	117
28	Anesthesia's Effects on Plasma Glucose and Insulin and Cardiac Hexokinase at Similar Hemodynamics and Without Major Surgical Stress in Fed Rats. <i>Anesthesia and Analgesia</i> , 2008, 106, 135-142.	2.2	115
29	Lidocaine time- and dose-dependently demethylates deoxyribonucleic acid in breast cancer cell lines in vitro. <i>British Journal of Anaesthesia</i> , 2012, 109, 200-207.	3.4	111
30	Local Anesthetic Inhibition of G Protein-Coupled Receptor Signaling by Interference with $G\beta\gamma$ Protein Function. <i>Molecular Pharmacology</i> , 2001, 59, 294-301.	2.3	108
31	Remote Ischemic Conditioning to Protect against Ischemia-Reperfusion Injury: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2012, 7, e42179.	2.5	106
32	A decrease in blood pressure is associated with unfavorable outcome in patients undergoing thrombectomy under general anesthesia. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 107-111.	3.3	104
33	Local anaesthetics. <i>European Journal of Anaesthesiology</i> , 2014, 31, 575-585.	1.7	101
34	Severe Toxic Damage to the Rabbit Spinal Cord after Intrathecal Administration of Preservative-free S $\hat{A}$ (+)-Ketamine. <i>Anesthesiology</i> , 2006, 105, 813-818.	2.5	100
35	Paramedic versus emergency physician emergency medical service: role of the anaesthesiologist and the European versus the Anglo-American concept. <i>Current Opinion in Anaesthesiology</i> , 2008, 21, 222-227.	2.0	93
36	Peripheral regional anaesthesia and outcome: lessons learned from the last 10 years. <i>British Journal of Anaesthesia</i> , 2015, 114, 728-745.	3.4	93

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37	Targeting hexokinase II to mitochondria to modulate energy metabolism and reduce ischaemia-reperfusion injury in heart. <i>British Journal of Pharmacology</i> , 2014, 171, 2067-2079.	5.4	91
38	The LAS VEGAS risk score for prediction of postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2018, 35, 691-701.	1.7	90
39	Time-dependent Inhibition of G Protein-coupled Receptor Signaling by Local Anesthetics. <i>Anesthesiology</i> , 2004, 100, 852-860.	2.5	88
40	Local anaesthetics inhibit signalling of human NMDA receptors recombinantly expressed in <i>Xenopus laevis</i> oocytes: role of protein kinase C. <i>British Journal of Anaesthesia</i> , 2006, 96, 77-87.	3.4	85
41	Patient controlled analgesia with remifentanyl versus epidural analgesia in labour: randomised multicentre equivalence trial. <i>BMJ</i> , 2015, 350, h846-h846.	6.0	85
42	Consensus statement from the BJA Workshop on Cancer and Anaesthesia. <i>British Journal of Anaesthesia</i> , 2015, 114, 2-3.	3.4	83
43	The Science of Local Anesthesia: Basic Research, Clinical Application, and Future Directions. <i>Anesthesia and Analgesia</i> , 2018, 126, 1381-1392.	2.2	83
44	Reduction in Hexokinase II Levels Results in Decreased Cardiac Function and Altered Remodeling After Ischemia/Reperfusion Injury. <i>Circulation Research</i> , 2011, 108, 60-69.	4.5	79
45	Adverse side-effects of dexamethasone in surgical patients – an abridged Cochrane systematic review. <i>Anaesthesia</i> , 2019, 74, 929-939.	3.8	79
46	Clinical features and prognostic factors in Covid-19: A prospective cohort study. <i>EBioMedicine</i> , 2021, 67, 103378.	6.1	79
47	Hyperglycaemia blocks sevoflurane-induced postconditioning in the rat heart in vivo: cardioprotection can be restored by blocking the mitochondrial permeability transition pore. <i>British Journal of Anaesthesia</i> , 2008, 100, 465-471.	3.4	78
48	Deletion of the Innate Immune NLRP3 Receptor Abolishes Cardiac Ischemic Preconditioning and Is Associated with Decreased IL-6/STAT3 Signaling. <i>PLoS ONE</i> , 2012, 7, e40643.	2.5	78
49	Intraoperative ventilation settings and their associations with postoperative pulmonary complications in obese patients. <i>British Journal of Anaesthesia</i> , 2018, 121, 899-908.	3.4	78
50	Helium-induced Preconditioning in Young and Old Rat Heart. <i>Anesthesiology</i> , 2008, 109, 830-836.	2.5	78
51	Use of a train-of-four ratio of 0.95 versus 0.9 for tracheal extubation: an exploratory analysis of POPULAR data. <i>British Journal of Anaesthesia</i> , 2020, 124, 63-72.	3.4	75
52	The effectiveness of a low-dose esketamine versus an alfentanil adjunct to propofol sedation during endoscopic retrograde cholangiopancreatography. <i>European Journal of Anaesthesiology</i> , 2020, 37, 394-401.	1.7	75
53	Disruption of Hexokinase II Mitochondrial Binding Blocks Ischemic Preconditioning and Causes Rapid Cardiac Necrosis. <i>Circulation Research</i> , 2011, 108, 1165-1169.	4.5	73
54	A multicenter, randomized controlled trial of immediate total-body CT scanning in trauma patients (REACT-2). <i>BMC Emergency Medicine</i> , 2012, 12, 4.	1.9	71

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55	Delayed ischaemic contracture onset by empagliflozin associates with NHE1 inhibition and is dependent on insulin in isolated mouse hearts. <i>Cardiovascular Research</i> , 2019, 115, 1533-1545.	3.8	71
56	Mechanisms of action of fascial plane blocks: a narrative review. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 618-628.	2.3	71
57	Re-evaluating currently available data and suggestions for planning randomised controlled studies regarding the use of hydroxyethyl starch in critically ill patients - a multidisciplinary statement. <i>Critical Care</i> , 2013, 17, R166.	5.8	69
58	European Society of Anaesthesiology Task Force on Nitrous Oxide: a narrative review of its role in clinical practice. <i>British Journal of Anaesthesia</i> , 2019, 122, 587-604.	3.4	66
59	Local Anesthetics Attenuate Lysophosphatidic Acid-Induced Priming in Human Neutrophils. <i>Anesthesia and Analgesia</i> , 2001, 92, 1041-1047.	2.2	64
60	Receptors, G Proteins, and Their Interactions. <i>Anesthesiology</i> , 2005, 103, 1066-1078.	2.5	63
61	Lidocaine and ropivacaine, but not bupivacaine, demethylate deoxyribonucleic acid in breast cancer cells in vitro. <i>British Journal of Anaesthesia</i> , 2014, 113, i32-i38.	3.4	63
62	Safety and efficacy of epidural analgesia. <i>Current Opinion in Anaesthesiology</i> , 2017, 30, 736-742.	2.0	62
63	Direct cardiac effects of SGLT2 inhibitors. <i>Cardiovascular Diabetology</i> , 2022, 21, 45.	6.8	62
64	Local Anesthetic Inhibition of m1 Muscarinic Acetylcholine Signaling. <i>Anesthesiology</i> , 2000, 93, 497-509.	2.5	59
65	Altering Conventional to High Density Spinal Cord Stimulation: An Energy Dose-Response Relationship in Neuropathic Pain Therapy. <i>Neuromodulation</i> , 2017, 20, 71-80.	0.8	58
66	Risk of Major Complications After Perioperative Norepinephrine Infusion Through Peripheral Intravenous Lines in a Multicenter Study. <i>Anesthesia and Analgesia</i> , 2020, 131, 1060-1065.	2.2	58
67	Automated reminders increase adherence to guidelines for administration of prophylaxis for postoperative nausea and vomiting. <i>European Journal of Anaesthesiology</i> , 2010, 27, 187-191.	1.7	56
68	International multicentre review of perioperative management and outcome for catecholamine-producing tumours. <i>British Journal of Surgery</i> , 2020, 107, e170-e178.	0.3	55
69	A Preclinical Mouse Model of Invasive Lobular Breast Cancer Metastasis. <i>Cancer Research</i> , 2013, 73, 353-363.	0.9	54
70	Preperitoneal or Subcutaneous Wound Catheters as Alternative for Epidural Analgesia in Abdominal Surgery. <i>Annals of Surgery</i> , 2019, 269, 252-260.	4.2	54
71	Does Regional Analgesia for Major Surgery Improve Outcome? Focus on Epidural Analgesia. <i>Anesthesia and Analgesia</i> , 2014, 119, 740-744.	2.2	53
72	Efficacy, safety and pharmacokinetics of sugammadex 4 mg kg <sup>-1</sup> for reversal of deep neuromuscular blockade in patients with severe renal impairment. <i>British Journal of Anaesthesia</i> , 2015, 114, 777-784.	3.4	52

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73	Comparison and analysis of the animal models used to study the effect of morphine on tumour growth and metastasis. <i>British Journal of Pharmacology</i> , 2015, 172, 251-259.	5.4	52
74	Automated reminders decrease postoperative nausea and vomiting incidence in a general surgical population. <i>British Journal of Anaesthesia</i> , 2012, 108, 961-965.	3.4	51
75	Nlrp3 plays no role in acute cardiac infarction due to low cardiac expression. <i>International Journal of Cardiology</i> , 2014, 177, 41-43.	1.7	51
76	Ischemic preconditioning affects hexokinase activity and HKII in different subcellular compartments throughout cardiac ischemia-reperfusion. <i>Journal of Applied Physiology</i> , 2009, 106, 1909-1916.	2.5	50
77	Rationale and study design of PROVHILO - a worldwide multicenter randomized controlled trial on protective ventilation during general anesthesia for open abdominal surgery. <i>Trials</i> , 2011, 12, 111.	1.6	47
78	Optimizing anesthetic regimen for surgery in mice through minimization of hemodynamic, metabolic, and inflammatory perturbations. <i>Experimental Biology and Medicine</i> , 2014, 239, 737-746.	2.4	47
79	Chronic Hiccups: An Underestimated Problem. <i>Anesthesia and Analgesia</i> , 2017, 125, 1169-1183.	2.2	47
80	Empagliflozin reduces oxidative stress through inhibition of the novel inflammation/NHE/[Na <sup>+</sup> ] <sub>c</sub> /ROS-pathway in human endothelial cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112515.	5.6	47
81	Midazolam Activates the Intrinsic Pathway of Apoptosis Independent of Benzodiazepine and Death Receptor Signaling. <i>Regional Anesthesia and Pain Medicine</i> , 2011, 36, 343-349.	2.3	46
82	Impact of Anesthetic Regimen on Remote Ischemic Preconditioning in the Rat Heart In Vivo. <i>Anesthesia and Analgesia</i> , 2018, 126, 1377-1380.	2.2	46
83	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , 2019, 2019, CD011940.	2.8	45
84	Inhibition of m3 muscarinic acetylcholine receptors by local anaesthetics. <i>British Journal of Pharmacology</i> , 2001, 133, 207-216.	5.4	44
85	Haematoma and abscess after neuraxial anaesthesia: a review of 647 cases. <i>British Journal of Anaesthesia</i> , 2018, 120, 693-704.	3.4	44
86	Novel Anti-inflammatory Effects of Canagliflozin Involving Hexokinase II in Lipopolysaccharide-Stimulated Human Coronary Artery Endothelial Cells. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 1083-1094.	2.6	44
87	Inhibition of Mammalian Gq Protein Function by Local Anesthetics. <i>Anesthesiology</i> , 2002, 97, 1451-1457.	2.5	43
88	Epigenetics in the perioperative period. <i>British Journal of Pharmacology</i> , 2015, 172, 2748-2755.	5.4	43
89	Continuous wound infiltration versus epidural analgesia after hepato-pancreato-biliary surgery (POP-UP): a randomised controlled, open-label, non-inferiority trial. <i>The Lancet Gastroenterology and Hepatology</i> , 2016, 1, 105-113.	8.1	43
90	NMDA Receptor Antagonist Ketamine Distorts Object Recognition by Reducing Feedback to Early Visual Cortex. <i>Cerebral Cortex</i> , 2016, 26, 1986-1996.	2.9	43

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91	Cellular Effects of Helium in Different Organs. <i>Anesthesiology</i> , 2010, 112, 1503-1510.	2.5	43
92	Protective ventilation with high versus low positive end-expiratory pressure during one-lung ventilation for thoracic surgery (PROTHOR): study protocol for a randomized controlled trial. <i>Trials</i> , 2019, 20, 213.	1.6	42
93	Association of intraoperative hypotension with postoperative morbidity and mortality: systematic review and meta-analysis. <i>BJS Open</i> , 2021, 5, .	1.7	42
94	Xenon Induces Late Cardiac Preconditioning In Vivo: A Role for Cyclooxygenase 2?. <i>Anesthesia and Analgesia</i> , 2008, 107, 1807-1813.	2.2	41
95	Perioperative management of patients with type 2 diabetes mellitus undergoing noncardiac surgery using liraglutide, glucose-insulin-potassium infusion or intravenous insulin bolus regimens: a randomised controlled trial. <i>Anaesthesia</i> , 2018, 73, 332-339.	3.8	41
96	The release of cardioprotective humoral factors after remote ischemic preconditioning in humans is age- and sex-dependent. <i>Journal of Translational Medicine</i> , 2018, 16, 112.	4.4	41
97	Cyclosporine A administered during reperfusion fails to restore cardioprotection in prediabetic Zucker obese rats in vivo. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2010, 20, 706-712.	2.6	40
98	The Influence of Adjuvants Used in Regional Anesthesia on Lidocaine-Induced Neurotoxicity In Vitro. <i>Regional Anesthesia and Pain Medicine</i> , 2011, 36, 436-443.	2.3	40
99	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , 0, , .	2.8	40
100	Protective intraoperative ventilation with higher versus lower levels of positive end-expiratory pressure in obese patients (PROBESE): study protocol for a randomized controlled trial. <i>Trials</i> , 2017, 18, 202.	1.6	40
101	Incidence, risk factors, and outcome of transfusion-associated circulatory overload in a mixed intensive care unit population: a nested case-control study. <i>Transfusion</i> , 2018, 58, 498-506.	1.6	40
102	Effects of Hyperglycemia and Diabetes Mellitus on Coagulation and Hemostasis. <i>Journal of Clinical Medicine</i> , 2021, 10, 2419.	2.4	40
103	Impact of Mitochondrial Ca <sup>2+</sup> -Sensitive Potassium (mBKCa) Channels in Sildenafil-Induced Cardioprotection in Rats. <i>PLoS ONE</i> , 2015, 10, e0144737.	2.5	40
104	Association between night-time surgery and occurrence of intraoperative adverse events and postoperative pulmonary complications. <i>British Journal of Anaesthesia</i> , 2019, 122, 361-369.	3.4	39
105	The poor man's epidural: systemic local anesthetics for improving postoperative outcomes. <i>Medical Hypotheses</i> , 2004, 63, 386-389.	1.5	37
106	Age-related loss of cardiac preconditioning: Impact of protein kinase A. <i>Experimental Gerontology</i> , 2012, 47, 116-121.	2.8	37
107	Morphine does not facilitate breast cancer progression in two preclinical mouse models for human invasive lobular and HER2+ breast cancer. <i>Pain</i> , 2015, 156, 1424-1432.	4.2	37
108	Sodium Glucose Co-Transporter 2 Inhibitors Ameliorate Endothelium Barrier Dysfunction Induced by Cyclic Stretch through Inhibition of Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6044.	4.1	37

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109	Effect of goal-directed therapy on outcome after esophageal surgery: A quality improvement study. PLoS ONE, 2017, 12, e0172806.	2.5	37
110	Helium-induced late preconditioning in the rat heart in vivo. British Journal of Anaesthesia, 2009, 102, 614-619.	3.4	36
111	Sevoflurane-induced Preconditioning. Anesthesiology, 2010, 113, 1289-1298.	2.5	36
112	Adverse side effects of dexamethasone in surgical patients. The Cochrane Library, 2018, 8, CD011940.	2.8	36
113	Optimal postoperative pain management: redefining the role for opioids. Lancet, The, 2019, 393, 1483-1485.	13.7	36
114	High rates of clinically relevant incidental findings by total-body CT scanning in trauma patients; results of the REACT-2 trial. European Radiology, 2017, 27, 2451-2462.	4.5	35
115	Helium-Induced Early Preconditioning and Postconditioning Are Abolished in Obese Zucker Rats in Vivo. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 600-607.	2.5	34
116	Kinetics of plasma biomarkers of inflammation and lung injury in surgical patients with or without postoperative pulmonary complications. European Journal of Anaesthesiology, 2017, 34, 229-238.	1.7	33
117	Systematic review of incretin therapy during peri-operative and intensive care. Critical Care, 2018, 22, 299.	5.8	31
118	Helium-induced cardioprotection of healthy and hypertensive rat myocardium in vivo. European Journal of Pharmacology, 2012, 684, 125-131.	3.5	30
119	Local Anestheticâ€“Induced Inhibition of Human Neutrophil Priming. Regional Anesthesia and Pain Medicine, 2013, 38, 9-15.	2.3	30
120	Epidural anesthesia prevents hypercoagulation in patients undergoing major orthopedic surgery. Regional Anesthesia and Pain Medicine, 2001, 26, 215-222.	2.3	29
121	Ischaemic and morphine-induced post-conditioning: impact of mKCa channels. British Journal of Anaesthesia, 2010, 105, 589-595.	3.4	28
122	Pharmacological options to protect the aged heart from ischemia and reperfusion injury by targeting the PKAâ€“BKCa signaling pathway. Experimental Gerontology, 2014, 56, 99-105.	2.8	28
123	Effects of early and late diabetic neuropathy on sciatic nerve block duration and neurotoxicity in Zucker diabetic fatty rats. British Journal of Anaesthesia, 2015, 114, 319-326.	3.4	28
124	The Cardioprotective Effect of Dexmedetomidine in Rats Is Dose-Dependent and Mediated by BKCa Channels. Journal of Cardiovascular Pharmacology, 2017, 69, 228-235.	1.9	28
125	Characteristics of Dexmedetomidine Postconditioning in the Field of Myocardial Ischemiaâ€“Reperfusion Injury. Anesthesia and Analgesia, 2020, 130, 90-98.	2.2	28
126	Liraglutide for perioperative management of hyperglycaemia in cardiac surgery patients: a multicentre randomized superiority trial. Diabetes, Obesity and Metabolism, 2020, 22, 557-565.	4.4	28



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127	Perioperative Cardioprotection: General Mechanisms and Pharmacological Approaches. <i>Anesthesia and Analgesia</i> , 2020, 131, 1765-1780.	2.2	28
128	Postconditioning by xenon and hypothermia in the rat heart in vivo. <i>European Journal of Anaesthesiology</i> , 2010, 27, 734-739.	1.7	27
129	Cardioprotection by Remote Ischemic Preconditioning is Blocked in the Aged Rat Heart in Vivo. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 1223-1226.	1.3	27
130	Morphine-Induced Preconditioning: Involvement of Protein Kinase A and Mitochondrial Permeability Transition Pore. <i>PLoS ONE</i> , 2016, 11, e0151025.	2.5	27
131	Assessment of pulmonary oxygen toxicity: Relevance to professional diving; a review. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 117-128.	1.6	26
132	Noble gases as cardioprotectants – translatability and mechanism. <i>British Journal of Pharmacology</i> , 2015, 172, 2062-2073.	5.4	26
133	Intraoperative Fluid Restriction in Pancreatic Surgery: A Double Blinded Randomised Controlled Trial. <i>PLoS ONE</i> , 2015, 10, e0140294.	2.5	25
134	Cardioprotection by Humoral Factors Released After Remote Ischemic Preconditioning Depends on Anesthetic Regimen. <i>Critical Care Medicine</i> , 2019, 47, e250-e255.	0.9	25
135	Effect of Hypotension Prediction Index-guided intraoperative haemodynamic care on depth and duration of postoperative hypotension: a sub-study of the Hypotension Prediction trial. <i>British Journal of Anaesthesia</i> , 2021, 127, 681-688.	3.4	25
136	Helium Induces Preconditioning in Human Endothelium <i>In Vivo</i> . <i>Anesthesiology</i> , 2013, 118, 95-104.	2.5	25
137	Practice of Ventilation in Patients with Novel Coronavirus Disease (PROVENT-COVID): rationale and protocol for a national multicenter observational study in The Netherlands. <i>Annals of Translational Medicine</i> , 2020, 8, 1251-1251.	1.7	24
138	Hexokinase cellular trafficking in ischemia-reperfusion and ischemic preconditioning is altered in type I diabetic heart. <i>Molecular Biology Reports</i> , 2013, 40, 4153-4160.	2.3	23
139	Plasma from human volunteers subjected to remote ischemic preconditioning protects human endothelial cells from hypoxia-induced cell damage. <i>Basic Research in Cardiology</i> , 2015, 110, 17.	5.9	23
140	Emergency Department Pain Management in Adult Patients With Traumatic Injuries Before and After Implementation of a Nurse-Initiated Pain Treatment Protocol Utilizing Fentanyl for Severe Pain. <i>Journal of Emergency Medicine</i> , 2017, 52, 417-425.	0.7	23
141	Melatonin Receptor Agonist Ramelteon Reduces Ischemia-Reperfusion Injury Through Activation of Mitochondrial Potassium Channels. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 72, 106-111.	1.9	23
142	Acetaminophen or Nonsteroidal Anti-Inflammatory Drugs in Acute Musculoskeletal Trauma: Multicenter, Double-Blind, Randomized, Clinical Trial. <i>Annals of Emergency Medicine</i> , 2018, 71, 357-368.e8.	0.6	22
143	Potentially modifiable respiratory variables contributing to outcome in ICU patients without ARDS: a secondary analysis of PROVENT. <i>Annals of Intensive Care</i> , 2018, 8, 39.	4.6	22
144	Empagliflozin Decreases Lactate Generation in an NHE-1 Dependent Fashion and Increases $\beta$ -Ketoglutarate Synthesis From Palmitate in Type II Diabetic Mouse Hearts. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 592233.	2.4	22

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145	Association of intensity of ventilation with 28-day mortality in COVID-19 patients with acute respiratory failure: insights from the PRoVENT-COVID study. <i>Critical Care</i> , 2021, 25, 283.	5.8	22
146	Assessment of skin temperature during regional anaesthesia—What the anaesthesiologist should know. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 1280-1289.	1.6	21
147	The effect of haemodynamic and peripheral vascular variability on cardiac output monitoring: thermodilution and non-invasive pulse contour cardiac output during cardiothoracic surgery. <i>Anaesthesia</i> , 2018, 73, 1489-1499.	3.8	21
148	Interaction of Opioids with TLR4—Mechanisms and Ramifications. <i>Cancers</i> , 2021, 13, 5274.	3.7	21
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